

footscan®

Published articles of studies using footscan® system.

- **Can RSScan footscan D3D software predict injury in a military population following plantar pressure assessment? A prospective cohort study** Andrew Franklyn-Miller, James Bilzon, Cassie Wilson, Paul McCrory [View abstract](#)
- **Foot Orthoses in the Prevention of Injury in Initial Military Training: A Randomized Controlled Trial** Andrew Franklyn-Miller, Cassie Wilson, James Bilzon, Paul McCrory [View abstract](#)
- **Prospective study of biomechanical risk factors for second and third metatarsal stress fractures in military recruits** Sharon Dixon, Michael Nunns, Carol House, Hannah Rice, Mohammad Mostazir, Victoria Stiles, Trish Davey, Joanne Fallowfield, Adrian Allsopp [View abstract](#)
- **A prospective study of gait-related risk factors for exercise-related lower leg pain** T.M. Willems, D. De Clercq, K. Delbaere, G. Vanderstraeten, A. De Cock, E. Witvrouw [View abstract](#)
- **Foot strike determines the center of pressure behavior and affects impact severity in heel-toe running** Pieter Van den Berghe, Laurence Warlop, Rud Derie, Marc Leman, Dirk De Clercq, Bastiaan Breine [View abstract](#)
- **The Biomechanical Relationship between Hallux Valgus Deformity and Metatarsal Pain** Cheng Chang, Qing-Fu Wang, Jun-Chao Guo, Duo-Duo Li, Yu-Bo Fan, Jian-Min Wen [View abstract](#)
- **Foot and ankle kinematics in chronic ankle instability subjects using a midfoot strike pattern when running, including influence of taping** Kevin Deschamps, Giovanni Arnoldo Matricali, Bart Dingenen, Jente De Boeck, Sarah Bronselaer, Filip Staes [View abstract](#)
- **Normal foot loading parameters and repeatability of the footscan platform system** Chao Xu, Xin-Xin Wen, Lu-Yu Huang, Lei Shang, Xi-Xia Cheng, Ya-Bo Yan, Wei Lei [View abstract](#)
- **Reliability of the footscan Platform System in Healthy Subjects: A Comparison of without Top-Layer and with Top-Layer Protocols** Chao Xu, Xin-Xin Wen, Lu-Yu Huang, Lei Shang, Zhao Yang, Ya-Bo Yan, Wei Le [View abstract](#)
- **Magnitude and Spatial Distribution of Impact Intensity Under the Foot Relates to Initial Foot Contact Pattern** Bastiaan Breine, Philippe Malcolm, Veerle Segers, Joeri Gerlo, Rud Derie, Todd Pataky, Edward C. Frederick, Dirk De Clercq [View abstract](#)
- **A new method to normalize plantar pressure measurements for foot size and foot progression angle** N.L.W. Keijsers, N.M. Stolwijk, B. Nienhuis, J. Duysens [View abstract](#)

Orthotics

- **Dose-response effects of forefoot and arch orthotic components on the center of pressure trajectory during running in pronated feet** Xianyi Zhang, Wing-Kai Lam, Benedicte Vanwanseele. [View abstract](#)
- **Comparative Study of the Effects of Customized 3D printed insole and Prefabricated Insole on Plantar Pressure and Comfort in Patients with Symptomatic Flatfoot** Rui Xu, Zhonghan Wang, Zhenxiao Ren, Tingjian Ma, Zhe Jia, Shuyan Fang, Hui Jin [View abstract](#)

Plantar pressure distribution and foot kinematics during walking and running

Published articles of studies regarding plantar pressure distribution and foot kinematics during walking and running in which the footscan® system was used.

- **Plantar pressures in habitually barefoot walkers.**
D'Août, K., Pataky, T. C., De Clercq, D., & Aerts, P. (2009), *Footwear Science*, 1, 103–105. [View abstract](#)
- **Forefoot deformation during stance: Does the forefoot collapse during loading?**
Duerinck, S., Hagman, F., Jonkers, I., Van Roy, P., & Vaes, P. (2014), *Gait and Posture*, 39(1), 40–47. [View abstract](#)
- **The frequency content of plantar pressure measurements during barefoot running.**
Gerlo, J., Segers, V., & DeClercq, D. (2013), *Footwear Science*, 5, S138–S139. [View abstract](#)
- **The influence of different force and pressure measuring transducers on lower extremity kinematics measured during walking.**
Greenhalgh, a., Taylor, P. J., & Sinclair, J. (2014), *Gait and Posture*, 40(3), 476–479.
- **The relationship between plantar pressure and footprint shape.**
Hatala, K. G., Dingwall, H. L., Wunderlich, R. E., & Richmond, B. G. (2013), *Journal of Human Evolution*, 65(1), 21–28. [View abstract](#)
- **The effect of the use of a walkway and the choice of the foot on plantar pressure assessment when using pressure platforms.**
Naemi, R., Chevalier, T. L., Healy, A., & Chockalingam, N. (2012), *Foot*, 22, 100–104.
- **New insights into the plantar pressure correlates of walking speed using pedobarographic statistical parametric mapping (pSPM).**
Pataky, T. C., Caravaggi, P., Savage, R., Parker, D., Goulermas, J. Y., Sellers, W. I., & Crompton, R. H. (2008), *Journal of Biomechanics*, 41, 1987–1994. [View abstract](#)
- **Plantar temperature variety character during initial running stage: a pilot study.**
Ruan, G., Zheng, Z., Yang, L., & Gu, Y. (2011), *Footwear Science*, 3(March 2015), S136–138.
- **Foot mechanics during the first six years of independent walking.**
Samson, W., Dohin, B., Desroches, G., Chaverot, J. L., Dumas, R., & Cheze, L. (2011), *Journal of Biomechanics*, 44, 1321–1327. [View abstract](#)
- **Temporal Parameters of the Foot Roll-Over During Walking: With and Without Direction Changes in Postmenopausal Women.**
Silva, D., Gabriel, R., Moreira, M., Abrantes, J., & Faria, A. (2012), *Journal of Biomechanics*, 45, S235.
- **Flat Feet, Happy Feet? Comparison of the Dynamic Plantar Pressure Distribution and Static Medial Foot Geometry between Malawian and Dutch Adults.**
Stolwijk, N. M., Duysens, J., Louwerens, J. W. K., van de Ven, Y. H. M., & Keijsers, N. L. W. (2013), *PLoS ONE*, 8(2). [View abstract](#)
- **The influence of foot type on pressure distribution during gait.**
Svoboda, Z., Janura, M., Kralova, L., & Vareka, I. (2014), *Gait & Posture*, 39(2014), S67.
- **Hitting a support surface at unexpected height during walking induces loading transients.**
Van der Linden, M. H., Hendricks, H. T., Bloem, B. R., & Duysens, J. (2009), *Gait and Posture*, 29, 255–260. [View abstract](#)

Center of Pressure

Published Articles regarding footscan® and COP

- **Gait speed and gender effects on center of pressure progression during normal walking.**
Chiu, M. C., Wu, H. C., & Chang, L. Y. (2013), *Gait and Posture*, 37(1), 43–48. [View abstract](#)
- **Center of pressure progression characteristics under the plantar region for elderly adults.**
Chiu, M. C., Wu, H. C., Chang, L. Y., & Wu, M. H. (2013), *Gait and Posture*, 37(3), 408–412. [View abstract](#)
- **The trajectory of the centre of pressure during barefoot running as a potential measure for foot function.**
De Cock, a., Vanrenterghem, J., Willems, T., Witvrouw, E., & De Clercq, D. (2008). *Gait and Posture*, 27, 669–675. [View abstract](#)
- **Bilateral foot center of pressure during trunk forward bending and reaching.**
I-Fang, T., & Jen-Suh, C. (2008), *BioMedical Engineering and Informatics: New Development and the Future – Proceedings of the 1st International Conference on BioMedical Engineering and Informatics, BMEI 2008*, 2, 566–571. [View abstract](#)
- **Sample entropy characteristics of movement for four foot types based on plantar centre of pressure during stance phase.**
Mei, Z., Zhao, G., Ivanov, K., Guo, Y., Zhu, Q., Zhou, Y., & Wang, L. (2013), *Biomedical Engineering Online*, 12(1), 101. [View abstract](#)
- **Vector field statistics for objective center-of-pressure trajectory analysis during gait, with evidence of scalar sensitivity to small coordinate system rotations.**
Pataky, T. C., Robinson, M. a., Vanrenterghem, J., Savage, R., Bates, K. T., & Crompton, R. H. (2014), *Gait and Posture*, 40(1), 255–258. [View abstract](#)

Foot striking patterns, foot progression angles and stability

Published articles of studies regarding plantar pressure distribution and footkinematics during walking and running in which the footscan® system was used.

- **Initial foot contact patterns during steady state shod running.**
Breine, B., Malcolm, P., Frederick, E. C., & DeClercq, D. (2013), *Footwear Science*, 5, S81–S82. [View abstract](#)
- **A gradual shift in initial foot-to-ground contact patterns depending upon acceleration.**
Caekenberghe, I. Van, Malcolm, P., Segers, V., & DeClercq, D. (2013), *Footwear Science*, 5, S88–S89. [View abstract](#)
- **Foot motion during fore- and rear-foot strike treadmill running.**
Franzese, R. C., Leitch, J., Stebbins, J., & Zavanetsky, a. B. (2014), *Gait & Posture*, 39(2014), S67–S68. [View abstract](#)
- **Variation in Foot Strike Patterns during Running among Habitually Barefoot Populations.**
Hatala, K. G., Dingwall, H. L., Wunderlich, R. E., & Richmond, B. G. (2013), *PLoS ONE*, 8(1), 4–9. [View abstract](#)
- **The condition for dynamic stability.**
Hof, a. L., Gazendam, M. G. J., & Sinke, W. E. (2005), *Journal of Biomechanics*, 38, 1–8. [View abstract](#)
- **A new method to normalize plantar pressure measurements for foot size and foot progression angle.**
Keijsers, N. L. W., Stolwijk, N. M., Nienhuis, B., & Duysens, J. (2009), *Journal of Biomechanics*, 42, 87–90. [View abstract](#)
- **Impact of foot progression angle on the distribution of plantar pressure in normal children.**
Lai, Y. C., Lin, H. S., Pan, H. F., Chang, W. N., Hsu, C. J., & Renn, J. H. (2014), *Clinical Biomechanics*, 29(2), 196–200. [View abstract](#)
- **Fatigue-Induced Balance Impairment in Young Soccer Players.**
Pau, M., Ibba, G., & Attene, G. (2014), *Journal of Athletic Training*, 49(4), 454–461. [View abstract](#)

Effect of shoes

Published articles of studies regarding the effect of shoes in which the footscan® system was used.

- **The effect of shoe toe box shape and volume on forefoot interdigital and plantar pressures in healthy females.**
Branthwaite, H., Chockalingam, N., & Greenhalgh, A. (2013), *Journal of Foot and Ankle Research*, 6(1), 28. [Full article](#)
- **The impact of different footwear characteristics, of a ballet flat pump, on centre of pressure progression and perceived comfort.**
Branthwaite, H., Chockalingam, N., Greenhalgh, A., & Chatzistergos, P. (2014), *Foot*, 24(3), 116–122. [View abstract](#)
- **Professional footwear evaluation for clinical nurses.**
Chiu, M. C., & Wang, M. J. J. (2007), *Applied Ergonomics*, 38, 133–141. [View abstract](#)
- **The effects of habitual footwear use: foot shape and function in native barefoot walkers.**
D'Août, K., Pataky, T. C., De Clercq, D., & Aerts, P. (2009), *Footwear Science*, 1, 81–94. [View abstract](#)
- **The effects of standard issue Royal Marine recruit footwear on risk factors associated with third metatarsal stress fractures.**
Nunns, M., Stiles, V., & Dixon, S. (2012), *Footwear Science*, 4, 59–70. [View abstract](#)
- **The influence of shoe design on plantar pressures in neuropathic feet.**
Praet, S. F. E., & Louwerens, J. W. K. (2003), *Diabetes Care*, 26(2), 441–445. [View abstract](#)
- **Adaptations in plantar-flexor performance and length-tension relationship following a transition from shod to barefoot running.**
Samarawickrame, S. D., Hashish, R., Gaur, K., & Salem, G. (2013), *Footwear Science*, 5, S79–S81. [View abstract](#)
- **Plantar pressure distribution and footwear design.**
Shorten, M. (2009), *Footwear Science*, 1, 88–90. [View abstract](#)
- **The potential influence of the heel counter on internal stress during static standing: A combined finite element and positional MRI investigation.**
Spears, I. R., Miller-Young, J. E., Sharma, J., Ker, R. F., & Smith, F. W. (2007), *Journal of Biomechanics*, 40, 2774–2780. [View abstract](#)
- **Kinetic assessment of golf shoe outer sole design features.**
Worsfold, P., Smith, N. a., & Dyson, R. J. (2009), *Journal of Sports Science and Medicine*, 8, 607–615. [View abstract](#)

Effect of insoles

Published articles of studies regarding the effect of insoles in which the footscan® system was used.

- **The influence of different in-shoe inserts on the plantar pressure during the gait of healthy elderly people.**
Castro, M. P., Soares, D., Mendes, E., & Machado, L. (2012), *Gait & Posture*, 36(2012), S16. [View abstract](#)
- **Effect of Functional Knee Brace and Lateral Wedge Insole in Management of Patients with Osteoarthritic Knee.**
Hsieh, C. J., Kuo, F. L., Yang, S. W., & Hsieh, L. F. (2007), *Journal of Biomechanics*, 40(July), S449. [Full article](#)
- **Influence of wedges on lower limbs' kinematics and net joint moments during healthy elderly gait using principal component analysis.**
Soares, D. P., de Castro, M. P., Mendes, E., & Machado, L. (2014), *Human Movement Science*, 38, 319–330. [View abstract](#)
- **Plantar pressure with and without custom insoles in patients with common foot complaints.**
Stolwijk, N. M., Louwerens, J. W. K., Nienhuis, B., Duysens, J., & Keijsers, N. L. W. (2011), *Foot & Ankle International / American Orthopaedic Foot and Ankle Society [and] Swiss Foot and Ankle Society*, 32, 57–65. [View abstract](#)
- **Influence of in-shoe heel lifts on plantar pressure and center of pressure in the medial-lateral direction during walking.**
Zhang, X., & Li, B. (2014), *Gait and Posture*, 39, 1012–1016. [View abstract](#)

Effect of orthotic devices

Published articles of studies regarding the effect of orthotic devices in which the footscan® system was used.

- **Influence of orthotic devices prescribed using pressure data on lower extremity kinematics and pressures beneath the shoe during running.**
Dixon, S. J., & McNally, K. (2008), *Clinical Biomechanics*, 23, 593–600. [View abstract](#)
- **Generation of subject-specific, dynamic, multisegment ankle and foot models to improve orthotic design: a feasibility study.**
Oosterwaal, M., Telfer, S., Tørholm, S., Carbes, S., van Rhijn, L. W., Macduff, R., ... Woodburn, J. (2011), *BMC Musculoskeletal Disorders*, 12(1), 256. [View abstract](#)
- **The effect of gait velocity on calcaneal balance at heel strike; Implications for orthotic prescription in injury prevention.**
Shanthikumar, S., Low, Z., Falvey, E., McCrory, P., & Franklyn-Miller, A. (2010), *Gait and Posture*, 31, 9–12. [View abstract](#)
- **Foot orthoses and dental appliances-Is there a relationship?**
Sloss, R., Chockalingam, N., Yule, E., Dunning, D., & Pandyan, A. (2009), *Foot*, 19, 145–148. [View abstract](#)

Clinical applications of the footscan®

Published articles of studies regarding clinical applications in which the footscan® system was used.

- **Modalities to Improve the Spinal Column Dysfunctions by using Some Complementary Kinetic Means.**
Acasandrei, L., & Macovei, S. (2014). *Procedia – Social and Behavioral Sciences*, 117, 547–552. [View abstract](#)
- **Contributions to the psychomotor development of children with motor disabilities from the perspective of their social integration through adapted physical activities.**
Aurora, U. (2013). *Journal of Physical Education and Sport*, 13(1), 57–65. [View abstract](#)
- **Study for Determining Laterality in Children with Motor Disabilities in Adapted Physical Activities.**
Aurora, U. (2014). *Procedia – Social and Behavioral Sciences*, 117, 646–652. [View abstract](#)
- **Biomedical Data Correlation and Reuse in Analyzing the Efficiency of Rehabilitation Treatment.**
Carstoiu, D., Cernian, A., Olteanu, A., & Independentei, S. (2008), 127–130. [View abstract](#)
- **Plantar Pressures and Ground Reaction Forces During Walking of Individuals With Unilateral Transfemoral Amputation.**
Castro, M. P. De, Soares, D., Mendes, E., & Machado, L. (2014). *PM and R*, 6(8), 698–707. [View abstract](#)
- **Do traditionally recommended cane lengths equally influence walking in patients after stroke?**
Cha, Y., & Ph, D. (2015). *Disability and Health Journal*, 8(1), 136–139. [View abstract](#)
- **The Difference of Bilateral Limbs Involvement During Trunk Bending and Reaching in Stroke Patients.**
Chern, J., Yang, S., Long, C., & Lo, C. (2007). *Computational Intelligence and Bioinformatics and Computational Biology Symposium*, 480–487. [View abstract](#)
- **Is Asymptomatic Hyponatremia Really Asymptomatic ?**
Decaux, G. (2006). *American Journal of Medicine*, 119(7), 79–82. [View abstract](#)
- **Classification of Forefoot Plantar Pressure Distribution in Persons with Diabetes : A Novel Perspective for the Mechanical Management of Diabetic Foot ?**
Deschamps, K., Matricali, G. A., Roosen, P., Desloovere, K., Bruyninckx, H., Spaepen, P., ... Staes, F. (2013). 8(11). [View abstract](#)
- **The relationship of body mass index, age and triceps-surae musculotendinous stiffness with the foot arch structure of postmenopausal women.**
Faria, A., Gabriel, R., Abrantes, J., Brás, R., & Moreira, H. (2010). *Clinical Biomechanics*, 25(6), 588–593. [View abstract](#)
- **Foot and ankle compression improves joint position sense but not bipedal stance in older people.**
Hijmans, J. M., Zijlstra, W., Geertzen, J. H. B., Hof, A. L., & Postema, K. (2009). *Gait & Posture*, 29, 322–325. [View abstract](#)
- **Disorders of Balance and Gait in Essential Tremor Are Associated with Midline Tremor and Age.**
Hoskovicová, M., Ulmanová, O., Otakar, Š., Sieger, T., & Nováková, J. (2013), 27–34. [View abstract](#)
- **New methods of data acquisition and walking analysis in multiple sclerosis after functional electrical stimulation.**
Med-in, P., & Sciences, M. (2010). *Ankara .*, 10(1), 2008–2010. [Full article](#)
- **Influence of obesity and sarcopenic obesity on plantar pressure of postmenopausal women.**
Monteiro, M., Gabriel, R., Aranha, J., Neves, M., Sousa, M., & Moreira, M. (2010). *Clinical Biomechanics*, 25(5), 461–467. [View abstract](#)

- **Anodal Transcranial Direct Current Stimulation (tDCS) Decreases the Amplitudes of Long-Latency Stretch Reflexes in Cerebellar Ataxia.**
Grimaldi, G., Manto, M. (2013) *Annals of Biomedical Engineering*, 41(11), 2437–2447. [View abstract](#)
- **Risk Factors Correlated with Plantar Pressure in Chinese Patients with Type 2 Diabetes.**
Qiu, X., Tian, D.-H., Han, C.-L., Chen, W., Wang, Z.-J., Mu, Z.-Y., ... Liu, K.-Z. (2013). *Diabetes Technology & Therapeutics*, 15(12), 1025–1032. [View abstract](#)
- **Mild Chronic Hyponatremia is Associated with Falls , Unsteadiness , and Attention Deficits.**
Renneboog, B., Musch, W., Vandemergel, X., & Manto, M. U.(2006), *American Journal of Medicine* 119, 1–8. [View abstract](#)
- **Analysis of foot and ankle disorders and prediction of gait in multiple sclerosis rehabilitation.**
Rusu, L., Neamtu, M. C., Rosulescu, E., Cosma, G., Dragomir, M., & Marin, M. I. (2014)., 1–10. [View abstract](#)
- **Computerized electronic baropodometry – a modality to evaluate the spinal column dysfunctions in performance.**
Sabina, M., & Leonard, M. (2013). The 9 th International Scientific Conference eLearning and software for Education Bucharest , April 25-26 , 2013. [View abstract](#)
- **Uses of the postural stability test for differential diagnosis of hereditary ataxias.**
Schwabova, J., Zahalka, F., Komarek, V., Maly, T., Hrasky, P., Gryc, T., ... Zumrova, A. (2012). *Journal of the Neurological Sciences*, 316(1-2), 79–85. [View abstract](#)
- **Effects of obesity on dynamic plantar pressure distribution in Chinese prepubescent children during walking.**
Song-hua, Y., Kuan, Z., Gou-qing, T., Jin, Y., & Zhi-cheng, L. (2013). *Gait & Posture*, 37(1), 37–42. [View abstract](#)
- **Importance and challenges of measuring intrinsic foot muscle strength.**
Soysa, A., Hiller, C., Refshauge, K., & Burns, J. (2012). *Journal of Foot and Ankle Research*, 5(1), 1. [View abstract](#)
- **Dynamic foot-pressure measurement in the assessment of operatively treated clubfeet.**
Harry Huber, MD., Michel Dutoit, MD. (2004) *Journal of Bone and Joint Surgery*, 86(6), 1203–1210. [View abstract](#)
- **Ageing effects on functional phases of the foot unroll during walking.**
Taylor, P., Segers, V., Caekenberghe, I. Van, Mits, S. De, & Clercq, D. De. (2013). *Footwear Science*, 5:sup1, S111-S113. [View abstract](#)
- **Prospective analysis of a first MTP total joint replacement. Evaluation by bone mineral densitometry, pedobarography, and visual analogue score for pain.**
Wetke, E., Zerahn, B., & Kofoed, H. (2012). *Foot and Ankle Surgery*, 18(2), 136–140. [View abstract](#)
- **Applying Tai Chi as a rehabilitation program for stroke patients in the recovery phase : study protocol for a randomized controlled trial.**
Zhang, Y., Liu, H., Zhou, L., Chen, K., Jin, H., Zou, Y., & Li, Z. (2014). *Trials* 15(1), 1–7. [View abstract](#)
- **Effects of toe stiffness on ankle kinetics in a robotic transtibial prosthesis during level-ground walking.**
Zhu, J., Wang, Q., & Wang, L. (2014). *Mechatronics*, 24(8), 1254–1261. [View abstract](#)

Gait and relationship with lower leg and foot injuries

Published articles of studies regarding gait and the relationship with lowerleg and foot injuries in which the footscan® system was used.

- **Foot biomechanics and initial effects of infrapatellar strap on gait parameters in patients with unilateral patellofemoral pain syndrome.**
Bek, N., Kinikli, G. I., Callaghan, M. J., & Atay, O. A. (2011), *Foot*, 21, 114–118. [View abstract](#)
- **Does limited ankle dorsi-flexion increase forefoot loading during running in military recruits?**
Dixon, S., Nunns, M., House, C., & Fallowfield, J. (2011), *Footwear Science*, 3, 44–46. [View abstract](#)
- **Can RSscan footscan® D3D™ software predict injury in a military population following plantar pressure assessment?**
Franklyn-Miller, A., Bilzon, J., Wilson, C., & McCrory, P. (2014), . A prospective cohort study. *Foot*, 24(1), 6–10. [View abstract](#)
- **A prospective study on gait-related intrinsic risk factors for lower leg overuse injuries.**
Ghani Zadeh Hesar, N., Van Ginckel, a, Cools, a, Peersman, W., Roosen, P., De Clercq, D., & Witvrouw, E. (2009), *British Journal of Sports Medicine*, 43, 1057–1061. [View abstract](#)
- **Foot characteristics in association with inversion ankle injury.**
Morrison, K. E., & Kaminski, T. W. (2007), *Journal of Athletic Training*, 42, 135–142. [View abstract](#)
- **A prospective study identifying risk factors for tibial stress fracture in Royal Marine recruits: initial findings.**
Nunns, M., Rice, H., House, C., Fallowfield, J., Allsopp, A., Stiles, V., & Dixon, S. (2013), *Footwear Science*, 5, S123–S124. [View abstract](#)
- **The effects of standard issue Royal Marine recruit footwear on risk factors associated with third metatarsal stress fractures.**
Nunns, M., Stiles, V., & Dixon, S. (2012), *Footwear Science*, 4, 59–70. [View abstract](#)
- **High medial plantar pressures during barefoot running are associated with increased risk of ankle inversion injury in Royal Marine recruits.**
Rice, H., Nunns, M., House, C., Fallowfield, J., Allsopp, A., & Dixon, S. (2013). *Gait and Posture*, 38(4), 614–618. [View abstract](#)
- **Biomechanical and lifestyle risk factors for medial tibia stress syndrome in army recruits: A prospective study.**
Sharma, J., Golby, J., Greeves, J., & Spears, I. R. (2011), *Gait and Posture*, 33(3), 361–365. [View abstract](#)
- **Intrinsic gait-related risk factors for Achilles tendinopathy in novice runners: A prospective**
Van Ginckel, A., Thijs, Y., Hesar, N. G. Z., Mahieu, N., De Clercq, D., Roosen, P., & Witvrouw, E. (2009), *Gait and Posture*, 29, 387–391. [View abstract](#)
- **A prospective study of gait related risk factors for exercise-related lower leg pain.**
Willems, T. M., De Clercq, D., Delbaere, K., Vanderstraeten, G., De Cock, a., & Witvrouw, E. (2006), *Gait and Posture*, 23, 91–98. [View abstract](#)
- **Gait related risk factors for exercise-related lower leg pain during shod running.**
Willems, T. M., Witvrouw, E., De Cock, a., & De Clercq, D. (2005), *Computer Methods in Biomechanics and Biomedical Engineering*, 8, 283–284. [View abstract](#)
- **Relationship between gait biomechanics and inversion sprains: A prospective study of risk factors.**
Willems, T., Witvrouw, E., Delbaere, K., De Cock, a., & De Clercq, D. (2005), *Gait and Posture*, 21, 379–387. [View abstract](#)
- **Can the RSscan footscan® system predict and reduce injuries?**
Wilssens, J. (2009), *Footwear Science*, 1, 87–88. [View abstract](#)

Animal studies

Published articles of animal studies in which the footscan[®] system was used.

- **The Vertical Ground Reaction Force and the Pressure Distribution on the claws of dairy cows while walking on a flat substrate.**
Central, P. (2003). [View abstract](#)
- **Effects of two trimming methods of dairy cattle on concrete or rubber-covered slatted floors.**
Ouweltjes, W., Holzhauser, M., van der Tol, P. P. J., & van der Werf, J. (2009), *Journal of Dairy Science*, 92(3), 960–971. [View abstract](#)
- **The pressure distribution under the bovine claw during square standing on a flat substrate.**
Van der Tol, P. P. J., Metz, J. H. M., Noordhuizen-Stassen, E. N., Back, W., Braam, C. R., & Weijs, W. a. (2002), *Journal of Dairy Science*, 85, 1476–1481. [View abstract](#)
- **The effect of preventive trimming on weight bearing and force balance on the claws of dairy cattle.**
Van der Tol, P. P. J., van der Beek, S. S., Metz, J. H. M., Noordhuizen-Stassen, E. N., Back, W., Braam, C. R., & Weijs, W. a. (2004). *Journal of Dairy Science*, 87, 1732–1738. [View abstract](#)
- **A Pressure Algometer Is a Useful Tool to Objectively Monitor the Effect of Diagnostic Palpation by a Physiotherapist in Warmblood Horses.**
De Heus, P., Van Oossanen, G., Van Dierendonck, M. C., & Back, W. (2010), *Journal of Equine Veterinary Science*, 30(6), 310–321.
- **The Use of Pressure Plates for Static Center of Pressure Analysis in Horses.**
Gomes-Costa, M., Roupa, I., Pequito, M., Prazeres, J., Gaivão, M., Abrantes, J., & Clayton, H. M. (2015), *Journal of Equine Veterinary Science*, 1–6. [View abstract](#)
- **Effect of Clostridium botulinum toxin type A injections into the deep digital flexor muscle on the range of motion of the metacarpus and carpus, and the force distribution underneath the hooves, of sound horses at the walk.**
Hardeman, L. C., van der Meij, B. R., Oosterlinck, M., Veraa, S., van der Kolk, J. H., Wijnberg, I. D., & Back, W. (2013), *Veterinary Journal*, 198, 152–156. [View abstract](#)
- **Use of a pressure plate to analyse the toe-heel load redistribution underneath a normal shoe and a shoe with a wide toe in sound warmblood horses at the walk and trot.**
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